



Docket No. 50184

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

21/P
2/A
8/23/01
NE

Applicant: Mori et al.

U.S.S.N.: 08/726,613

Art Unit: 1752

Filed: October 7, 1996

Examiner: J. Chu

FOR: DYED PHOTORESISTS AND METHODS AND ARTICLES OF
MANUFACTURE COMPRISING SAME

THE HONORABLE COMMISSIONER OF PATENTS AND TRADEMARKS
WASHINGTON, DC 20231

Sir:

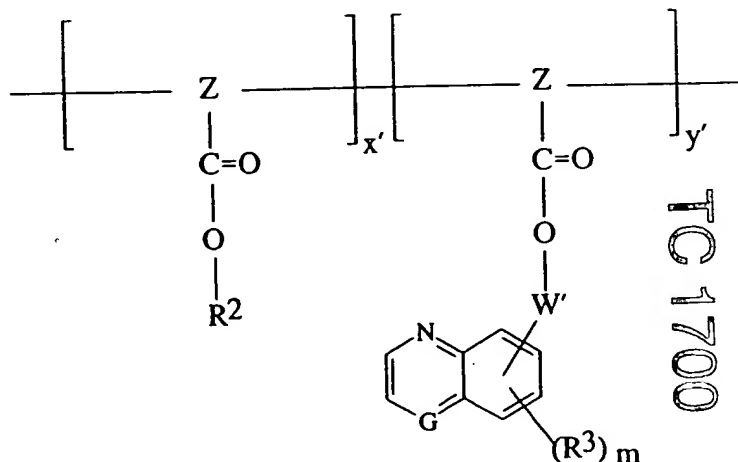
AMENDMENT

Applicants are in receipt of the Office Action dated March 15, 2001. Please amend the above-identified application as follows.

IN THE CLAIMS

Please add the following new claims.

80. A photoresist composition that comprises a resin binder, a photoacid generator compound and a dye that comprises a structure of the following formula:



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wherein each R^2 is independently substituted or unsubstituted alkyl;

W' is a bond or substituted or unsubstituted alkylene;

G is carbon, nitrogen or sulfur;

each R^3 may be independently halogen; substituted or unsubstituted alkyl; substituted or unsubstituted alkoxy; substituted or substituted alkynyl; substituted or unsubstituted alkylthio; cyano; nitro; amino; or hydroxyl

m is an integer of from 0 to 7;

x' and y' are mole fractions of the respective units; and

each Z is a bridge group between polymer units.

81. The photoresist of claim 80 wherein the polymer has a weight average molecular weight of at least about 5,000.

82. The photoresist of claim 80 wherein the photoresist is a chemically-amplified positive-acting resist.

83. The photoresist of claim 80 wherein the photoresist is a chemically-amplified negative-acting resist.

REMARKS

Applicants appreciate the indication of allowable subject matter, i.e. that claims 15 and 27 are merely objected to and would be allowable if rewritten in independent form.

Claims 80-83 have been added. No new matter has been added by virtue of those new claims. For instance, support for the new claims appears e.g. in the original claims of the application.